



Patient: **SAMPLE PATIENT**

DOB:

Sex:

MRN:

4100 Menopause Plus - Salivary Profile

Methodology: EIA, LIA

Therapeutic Cohort Results

Hormone	Average † Result	QUINTILE DISTRIBUTION					Therapeutic Range*
		1st	2nd	3rd	4th	5th	
Estradiol (E2)	8.7						2.9-13.7 pmol/L
Estrone (E1)	14.5						5.5-26.1 pmol/L
Estriol (E3)	121						<=135 pmol/L
Testosterone	140						34-183 pmol/L
Progesterone	166						52-850 pmol/L
P/E2 Ratio	19						10-106

* The therapeutic ranges depicted are for informational purposes only, and were derived from a cohort of peri/menopausal women ranging in age from 37-62 years. All women were treated with bioidentical hormone therapy (HT) utilizing combinations of the following: Biest (transdermal); Progesterone (oral micronized); Testosterone (transdermal); and 7-keto-DHEA (oral).

† Patient results with Genova's standard reference ranges are reported on the following pages.



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Salivary Hormone Results

Sample #	Estrone (E1) (pmol/L)	Estradiol (E2) (pmol/L)	Estriol (E3) (pmol/L)	Progesterone (pmol/L)
1	12.2	5.9	92	154
2	14.8	7.6	124	193
3	16.6	12.6	148	152
Average	14.5	8.7	121	166

Average Estradiol ♦ pmol/L

8.7

	Reference Range
Follicular	2.8-8.8 pmol/L
Peak *	4.5-19.1 pmol/L
Luteal	2.8-8.2 pmol/L
Menopausal	3.7-9.4 pmol/L
Male	3.1-7.4 pmol/L
* Peak = Days 11 and 12	

Testosterone ♦ pmol/L

140

	Reference Range
Premenopausal	34-148 pmol/L
Menopausal	34-148 pmol/L
Male	110-513 pmol/L

Average Estrone pmol/L

14.5

	Reference Range
Menopausal	4.7-18.9 pmol/L

Average Progesterone ♦ pmol/L

166

	Reference Range
Follicular	17-321 pmol/L
Peak *	151-829 pmol/L
Luteal	33-452 pmol/L
Menopausal	45-370 pmol/L
Male	31-280 pmol/L
* Peak = Days 18 and 20	

Average Estriol pmol/L

121

	Reference Range
Menopausal	<= 133 pmol/L

P/E2 Ratio

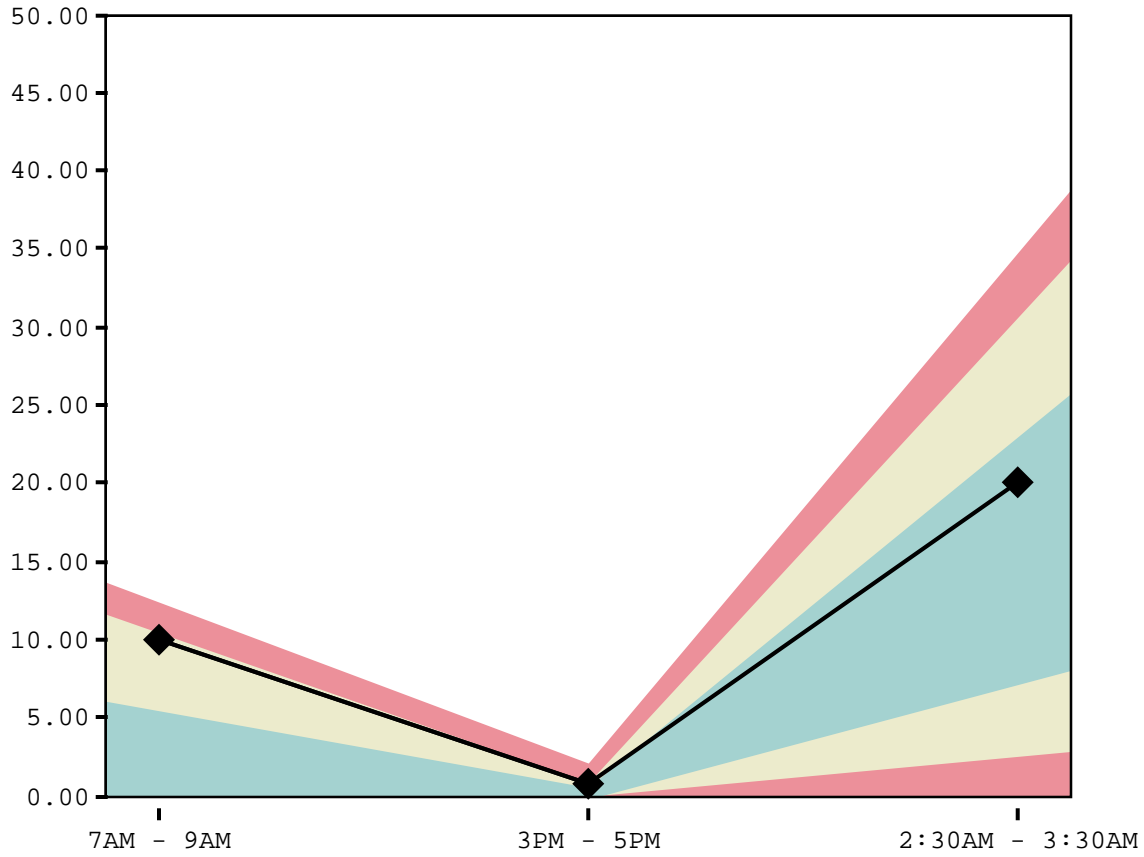
19

	Reference Range
Follicular	10-85
Luteal	8-80
Menopausal	12-62



Methodology: RIA

Salivary Melatonin



Results

	7AM-9AM*	3PM-5PM*	2:30AM - 3:30AM*
Patient Results (pg/mL) >>	10.00	0.80	20.00
Reference Range (pg/mL)	<=10.50	<=0.88	2.53-30.67
*Based on Collection Times			

Commentary

The performance characteristics of all assays have been verified by Genova Diagnostics, Inc. Unless otherwise noted with ♦, the assay has not been cleared by the U.S. Food and Drug Administration.

Commentary is provided to the practitioner for educational purposes, and should not be interpreted as diagnostic or as treatment recommendations. Diagnosis and treatment decisions are the practitioner's responsibility.

Melatonin activity is normal throughout the sample period revealing a normal melatonin circadian rhythm.

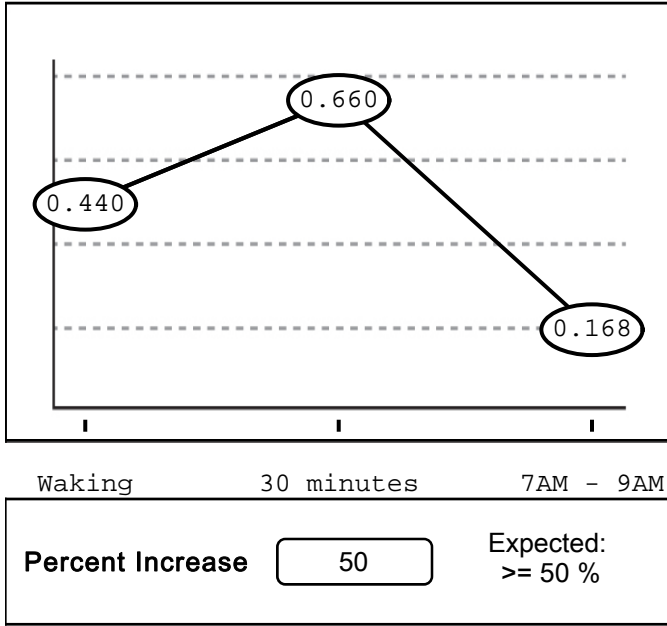
As well as playing a crucial role in sleep-wake cycles, melatonin influences other vital functions, including cardiovascular and antioxidant protection, endocrine function, immune regulation and body temperature.



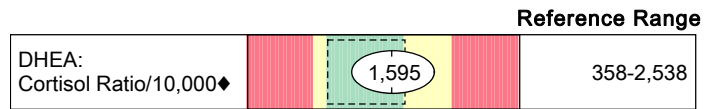
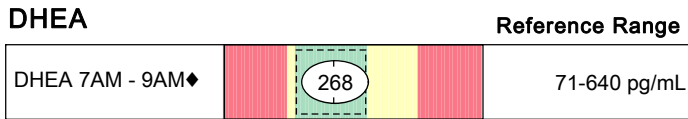
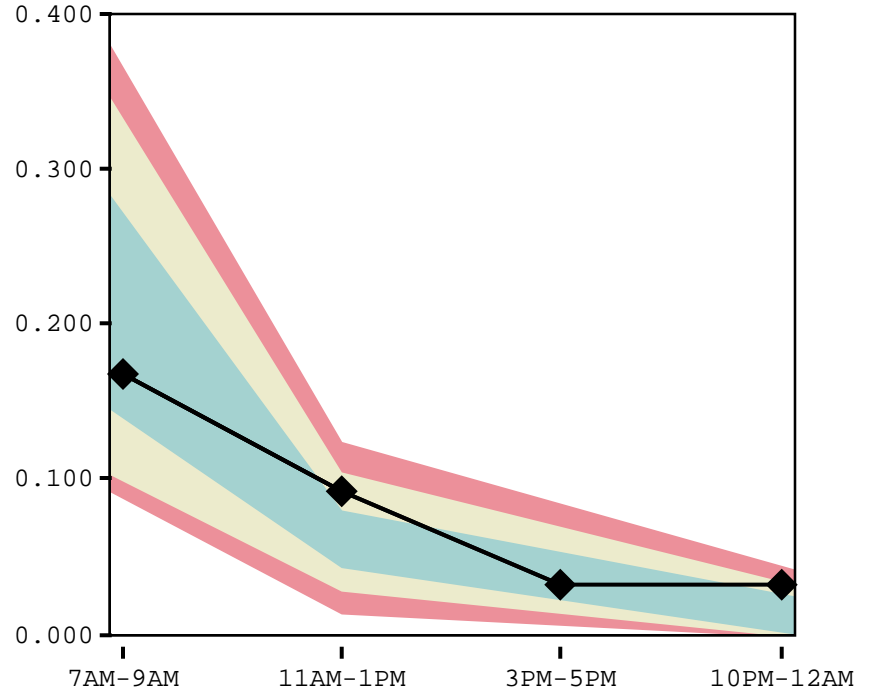
Methodology: EIA

Salivary Cortisol, Cortisol Awakening Response, and DHEA

Cortisol Awakening Response



Salivary Cortisol



Results

	Waking	30 Minutes	7AM-9AM*	11AM-1PM*	3PM-5PM*	10PM-12AM*
Patient Result (mcg/dL) >>	0.440	0.660	0.168	0.092	0.032	0.031
Reference Range (mcg/dL) *Based on Collection Times	N/A	N/A	0.097-0.337	0.027-0.106	0.013-0.068	≤ 0.034
Actual Collection Time	7:15AM	7:45AM	8:00AM	11:00AM	3:00PM	11:00PM

Commentary

Please note the calculation for CAR has been updated.

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